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RESULT 1
HSU44805
LOCUS
           HSU44805
                                  1979 bp
                                             DNA
                                                     linear
                                                             PRI 02-FEB-1996
DEFINITION
           Human prostaglandin H synthase type 2 (PHS-2) gene, promoter
           sequence and partial cds.
ACCESSION
           U44805
           U44805.1 GI:1174223
VERSION
KEYWORDS
SOURCE
           Homo sapiens (human)
  ORGANISM
           Homo sapiens
           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
           Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE
               (bases 1 to 1979)
  AUTHORS
           Kutchera, W.A., Jones, D.A., Matsunami, N., Groden, J., McIntyre, T.M.,
           Zimmerman, G.A., White, R.L. and Prescott, S.M.
  TITLE
           Prostaglandin H synthase-2 is expressed abnormally in human colon
           cancer: evidence for a transcriptional effect
  JOURNAL
           Proc. Natl. Acad. Sci. U.S.A. (1996) In press
REFERENCE
           2 (bases 1 to 1979)
  AUTHORS
           Kutchera, W.A.
  TITLE
           Direct Submission
  JOURNAL
           Submitted (05-JAN-1996) William A. Kutchera, Human Molecular
           Biology and Genetics, University of Utah, Building 533, Salt Lake
           City, UT 84112, USA
FEATURES
                    Location/Qualifiers
     source
                    1. .1979
                    /organism="Homo sapiens"
                    /mol type="genomic DNA"
                    /db xref="taxon:9606"
                    /chromosome="1"
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    CDS
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                    /note="Unknown"
                    /codon start=1
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                    /protein id="AAD14842.1"
                    /db xref="GI:4262724"
                    /translation="M"
ORIGIN
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                         97.3%; Score 1851; DB 9; Length 1979;
 Best Local Similarity
                                Pred. No. 0;
                        99.9%;
 Matches 1901; Conservative
                               0; Mismatches
                                                1:
                                                    Indels
                                                              0:
                                                                         0;
Qу
           1 GGATTCTAACATGGCTTCTAACCCAAACTAACATTAGTAGCTCTAACTATAAACTTCAAA 60
             Db
          46 GGATTCTAACATGGCTTCTAACCCAAACTAACATTAGTAGCTCTAACTATAAACTTCAAA 105
          61 TTTCAGTAGATGCAACCTACTCCTTTAAAATGAAACAGAAGATTGAAATTATTAAATTAT 120
Qу
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106 TTTCAGTAGATGCAACCTACTCCTTTAAAATGAAACAGAAGATTGAAATTATTAAATTAT 165

Db

QУ	121	CAAAAAGAAAATGATCCACGCTCTTAGTTGAAATTTCATGTAAGATTCCATGCAATAAAT	180
Db	166		225
Qу	181	AGGAGTGCCATAAATGGAATGATGAAATATGACTAGAGGAGGAGAAAGGCTTCCTAGATG	240
Db	226	AGGAGTGCCATAAATGGAATGATGAAATATGACTAGAGGAGGAGAAAGGCTTCCTAGATG	285
QУ	241	AGATGGAATTTTAGTCATCCGTGTCTCATGAAGAATCAGATGTGTACACTAAGCAAAACA	300
Db	286	AGATGGAATTTTAGTCATCCGTGTCTCATGAAGAATCAGATGTGTACACTAAGCAAAACA	345
Qy	301	GTTAAAAAAAAACCTCCAAGTGAGTCTCTTATTTATTTTTTTT	360
Db	346	GTTAAAAAAAAAACCTCCAAGTGAGTCTCTTATTTATTTTTTTT	405
Qy	361	AATTGAGGTACCTGGTGTAGTTTTATTTCAGGTTTTATGCTGTCATTTTCCTGTAATGCT	420
Db	406	AATTGAGGTACCTGGTGTAGTTTTATTTCAGGTTTTATGCTGTCATTTTCCTGTAATGCT	465
Qy	421	AAGGACTTAGGACATAACTGAATTTTCTATTTTCCACTTCTTTTCTGGTGTGTGT	480
Db	466	AAGGACTTAGGACATAACTGAATTTTCTATTTTCCACTTCTTTTCTGGTGTGTGT	525
Qy	481	TATATATGTATATACACACACACATATACATATATATTTTTTAGTATCTCACCCTCA	540
Db	526	TATATATGTATATACACACACACATATACATATATATTTTTAGTATCTCACCCTCA	585
Qy	541	CATGCTCCTCGCTGAGCACTACCCATGATAGATGTTAAACAAAAGCAAAGATGAAATTCC	600
Db	586	CATGCTCCTCCTGAGCACTACCCATGATAGATGTTAAACAAAAGCAAAGATGAAATTCC	645
Qy	601	AACTGTTAAAATCTCCCTTCCATCTAATTAATTCCTCATCCAACTATGTTCCAAAACGAG	660
Db	646	AACTGTTAAAATCTCCCTTCCATCTAATTAATTCCTCATCCAACTATGTTCCAAAACGAG	705
Qy	661	AATAGAAAATTAGCCCCAATAAGCCCAGGCAACTGAAAAGTAAATGCTATGTTGTACTTT	720
Db	706	AATAGAAAATTAGCCCCAATAAGCCCAGGCAACTGAAAAGTAAATGCTATGTTGTACTTT	765
Qy	721	GATCCATGGTCACAACTCATAATCTTGGAAAAGTGGACAGAAAAGACAAAAGAGTGAACT	780
Db	766	GATCCATGGTCACAACTCATAATCTTGGAAAAGTGGACAGAAAAGACAAAAGAGTGAACT	825
Qy	781	TTAAAACTCGAATTTATTTTACCAGTATCTCCTATGAAGGGCTAGTAACCAAAATAATCC	840
Db	826	TTAAAACTCGAATTTATTTTACCAGTATCTCCTATGAAGGGCTAGTAACCAAAATAATCC	885
Qy	841	ACGCATCAGGGAGAAAATGCCTTAAGGCATACGTTTTGGACATTTAGCGTCCCTGCAAA	900
Db	886	ACGCATCAGGGAGAAATGCCTTAAGGCATACGTTTTGGACATTTAGCGTCCCTGCAAA	945
Qy	901	TTCTGGCCATCGCCGCTTCCTTTGTCCATCAGAAGGCAGGAAACTTTATATTGGTGACCC	960
Db	946		1005
Qу	961	GTGGAGCTCACATTAACTATTTACAGGGTAACTGCTTAGGACCAGTATTATGAGGAGGAT	1020

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Db	1006		1065
Qy	1021	TTACCTTTCCCGCCTCTCTTTCCAAGAAACAAGGAGGGGGTGAAGGTACGGAGAACAGTA	1080
Db	1066		1125
Qу	1081	TTTCTTCTGTTGAAAGCAACTTAGCTACAAAGATAAATTACAGCTATGTACACTGAAGGT	1140
Db	1126		1185
Qy	1141	AGCTATTTCATTCCACAAAATAAGAGTTTTTTAAAAAGCTATGTATG	1200
Db	1186	AGCTATTTCATTCCACAAAATAAGAGTTTTTTAAAAAAGCTATGTATG	1245
Qу	1201	TAGAGCAGATATACAGCCTATTAAGCGTCGTCACTAAAACATAAAACATGTCAGCCTTTC	1260
Db	1246	TAGAGCAGATATACAGCCTATTAAGCGTCGTCACTAAAACATAAAACATGTCAGCCTTTC	1305
Qy	1261	TTAACCTTACTCGCCCCAGTCTGTCCCGACGTGACTTCCTCGACCCTCTAAAGACGTACA	1320
Db	1306	TTAACCTTACTCGCCCCAGTCTGTCCCGACGTGACTTCCTCGACCCTCTAAAGACGTACA	1365
Qy	1321	GACCAGACACGGCGGCGGCGGGGAGAGGGGATTCCCTGCGCCCCGGACCTCAGGGCC	1380
Db	1366	GACCAGACACGGCGGCGGCGGGAGAGGGGATTCCCTGCGCCCCCGGACCTCAGGGCC	1425
Qу	1381	GCTCAGATTCCTGGAGAGGAAGCCAAGTGTCCTTCTGCCCTCCCCGGTATCCCATCCAA	1440
Db	1426	GCTCAGATTCCTGGAGAGGAAGCCAAGTGTCCTTCTGCCCTCCCCGGTATCCCATCCAA	1485
Qу	1441	GGCGATCAGTCCAGAACTGGCTCTCGGAAGCGCTCGGGCAAAGACTGCGAAGAAGAAAAG	1500
Db	1486	GGCGATCAGTCCAGAACTGGCTCTCGGAAGCGCTCGGGCAAAGACTGCGAAGAAGAAAAG	1545
Qу	1501	ACATCTGGCGGAAACCTGTGCGCCTGGGGCGGTGGAACTCGGGGAGGAGGGAG	1560
Db	1546	ACATCTGGCGGAAACCTGTGCGCCTGGGGCGGTGGAACTCGGGGAGGAGGGAG	1605
Qу	1561	AGACAGGAGAGTGGGGACTACCCCCTCTGCTCCCAAATTGGGGCAGCTTCCTGGGTTTCC	1620
Db	1606	AGACAGGAGAGTGGGGACTACCCCCTCTGCTCCCAAATTGGGGCAGCTTCCTGGGTTTCC	1665
Qу	1621	GATTTTCTCATTTCCGTGGGTAAAAAACCCTGCCCCCACCGGGCTTACGCAATTTTTTTA	1680
Db	1666	GATTTTCTCATTTCCGTGGGTAAAAAACCCTGCCCCACCGGGCTTACGCAATTTTTTTA	1725
Qу	1681	AGGGGAGAGGAAAAATTTGTGGGGGGTACGAAAAGGCGGAAAGAACAGTCATTTC	1740
Db	1726	AGGGGAGAGGAAAAATTTGTGGGGGGTACGAAAAGGCGGAAAGAAA	1785
Qy	1741	GTCACATGGGCTTGGTTTTCAGTCTTATAAAAAGGAAGGTTCTCTCGGTTAGCGACCAAT	1800
Db	1786	GTCACATGGGCTTGGTTTTCAGTCTTATAAAAAGGAAGGTTCTCTCGGTTAGCGACCAAT	1845
QУ	1801	TGTCATACGACTTGCAGTGAGCGTCAGGAGCACGTCCAGGAACTCCTCAGCAGCGCCTCC	1860

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